

Appendix B

Primary Sequence Alignment of fabI protein from various pathogens.

EC1259_FabI	1	-----MGFLSGKRILVTGVASKLSIAYGIAQA	27
HI1703_FabI	1	MRLVFLEILVGFVQRQIFAYTTQVFYANNIGKIMGFLTGKRILVTGLEASNRSIAYGTAKS	60
PA1805_FabI	1	-----MGFLTGKRALIVGVASKLSIASGIAAA	27
HP0195_FabI	1	-----MGFLKGKKGLIVGVANNKSIAYGIAQS	27
EF0282_FabI	1	-----MFLQNKNVVVMGVANKKSIWGCACA	26
SA2112_FabI	1	-----MLNLENKTYVIMGLANKRSIAFGVAKV	27
EC1259_FabI	28	MHREGAELAFETYQNDKLRGRVEEFAAQLGS--DIVLQCDVADLASIDTMFAETGKVPKPF	85
HI1703_FabI	61	MKEQGAEELAFETYQNDKLRGRVEEFQAKFSGS--DIVLPLDVATDESIONCFAEISKRWDKF	118
PA1805_FabI	28	MHREGAELAFETYQNDKLRGRVEEFASGWGSRPELCFPCDVADDSQLEAVFAALGKHWGDL	87
HP0195_FabI	28	CFNQGATLAFETYQNDKLRGRVEEFQAKFSGS--PYVVELDVSKKEHFSLNSVKKDLGSL	85
EF0282_FabI	27	EKDOGANVIMTYQNERMKKQVVKLADEND----LLVECDVASDASTQAAFETIKNEVGTI	82
SA2112_FabI	28	LDQLGAKLVFTYRKERSRKELEKLEQLNQPEAHLYQIDVQSDEEVINGEQIGKDVGNI	87
EC1259_FabI	86	DGFVHSTGFAPGDQIDGGDYVNAVTRREGFKTAHDISSYSFVAMAKACRSMNL-PGSALLTL	144
HI1703_FabI	119	DGFTHAIAFAPGDQIDGGDYVNAATREGYRTAHDISAYSFVAMAQAARPYLN-PNAALLTL	177
PA1805_FabI	88	DIIIVSVGFAPGDQIDGGDFTAVTTREGFRTAHDISAYSFALAKAGREMMKGRNGSLLTL	147
HP0195_FabI	86	DFIVHSVAFAPKEALEGSLLETS-KSAFNTAMEISVYSLETNTLTKPLLN-NGASVLTTL	143
EF0282_FabI	83	DGLVHAIAFAKKEELSGNVSDIT-RDGFLLAQDISSYSLLAVTHYAKPLLN-PGSGIVTL	140
SA2112_FabI	88	DGVYHSTAFANMEDIRGRFSETS-REGFLLAQDISSYSLTIVAHEAKKLP-EGGSIVAT	145
EC1259_FabI	145	SYLGAERATPNYNVMGLAKASLEAVRYMANAMCEPGEVRVNAISAGPIRTLAASGEEKDF	204
HI1703_FabI	178	SYLGAERATPNYNVMCLAKASLEAATRVMAADLGKEGIRVNAISAGPIRTLAASGEEKNF	237
PA1805_FabI	148	SYLGAERTMPNYNVMGMAKASLEAGVRYLAGSLCAEGTRVNAVSAAGPIRTLAASGEEKSF	207
HP0195_FabI	144	SYLGSTKYMAHYNVMGLAKAALESADVRYLAVDLGKHHIRVNAISAGPIRTLAASSGADFR	203
EF0282_FabI	141	TYLGSEERATPNYNMGIKASLETAVKYLAFELAADKIRVNGISAGAIKTLAVTVKDYD	200
SA2112_FabI	146	TYLGGEFAVQNYNVMGVAKASLEAVRYLALDLGPDNIRVNAISAGPIRTLSAKGVGGFN	205
EC1259_FabI	205	KMLAHCEAVTEIRRTVTIEEDVGNSSAFLCSDLASGISGEVHVVDGGSIAAMNELELK--	262
HI1703_FabI	238	KMLSTFEKTAALRRVTITIEVGNSSAFLCSDLASGITGEIVHVVDAGFSITAMGELGEE--	295
PA1805_FabI	208	KMLAANERQTEIRRNVTIEEVGNACAFLLCSDLASGISGEILYVDGCFNTTAMGPLDDD--	265
HP0195_FabI	204	MILKWNEINAPLRKNVLEEVGNAGMYLLSSLSGVSGEVHFVDAGYHVMGMGAVEEKDN	263
EF0282_FabI	201	QLISISNERTPDKTCVTIEEVGNACAFLLVSDLASGVVGDIIYVDKCVHLT-----	250
SA2112_FabI	206	TILKEIXERAPLRKNVDQVEVGKTAAYLLSDDLSSGVTGENTHVDSCGFHAIK-----	256
EC1259_FabI	262	-----	262
HI1703_FabI	295	-----	295
PA1805_FabI	265	-----	265
HP0195_FabI	264	KATLLWDLHKEQ	275
EF0282_FabI	250	-----	250
SA2112_FabI	256	-----	256